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WHAT IS CLAIMED IS:

- 1. A method for treating a wound by removing a protease from the site of the wound, said method comprising the steps of:
- (a) selecting a protein-containing fibrous component capable of removing a protease;
- (b) forming a dressing from said protein-containing fibrous component;
- (c) selecting at least one protein from the group consisting of growth factors, cytokines, and chemokines for application to said wound site:
- (d) applying said dressing and said protein to said wound and allowing at least a portion of said protease found at said wound site to be attracted to and entrapped by said protein-containing fibrous component; and
- (e) removing said dressing from said wound so that at least a portion of said protease is removed from said wound site.
- 2. The method of claim 1 wherein said protein-containing fibrous component comprises silk fiber.
- 3. The method of claim 1 wherein said protein-containing fibrous component comprises wool fiber.
- 4. The method of claim 1 wherein said protein-containing fibrous component comprises a protein-containing fabric.
- 5. The method of claim 4 wherein said protein-containing fibrous component comprises silk gauze.
- 6. The method of claim 1 wherein said dressing is formed from a non-protein-containing material in addition to the protein-containing fibrous component.
- 7. The method of claim 6 wherein said non-protein-containing material comprises cotton fibers.
 - 8. The method of claim 7 wherein said cotton fibers are

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interwoven with said protein-containing fibrous component.

- 9. The method of claim 8 wherein said protein-containing fibrous component comprises silk fibers.
- 10. The method of claim 1 wherein said protease comprises elastase.
- 11. The method of claim 1 wherein said protease comprises neutrophil elastase.
- 12. The method of claim 1 wherein said protease comprises gelatinase.
- 13. The method of claim 1 wherein said protease comprises gelatinase B (MMP-9).
- 14. The method of claim 1 wherein said protease comprises plasmin.
- 15. The method of claim 1 wherein said protein is applied to said wound site as a component separate from said dressing.
- 16. The method of claim 15 wherein said protein is applied to said wound site in the form of an ointment, lotion, solution, or gel.
- 17. The method of claim 1 wherein said protein is included as part of the wound dressing itself.
- 18. The method of claim 1 wherein said growth factor is chosen from the group consisting of platelet-derived growth factors, vascular endothelial growth factors, transforming growth factors, fibroblast growth factors, and epidermal growth factors.
- 19. A method for treating a wound by removing a protease from the site of the wound, said method comprising the steps of:
- (a) applying a wound dressing and at least one growth factor to said wound site wherein said wound dressing comprises a protein-containing fibrous component capable of removing said protease; and
- (b) allowing said wound dressing to withdraw and entrap said protease so that healing of said wound is promoted.





- 20. The method of claim 19 wherein said growth factor is applied to said wound site as a component separate from said dressing.
- 21. The method of claim 20 wherein said growth factor is applied to said wound site in the form of an ointment, lotion, solution, or gel.
- 22. The method of claim 19 wherein said growth factor is included as part of the wound dressing itself.
- 23. The method of claim 19 wherein said growth factor is chosen from the group consisting of platelet-derived growth factors, vascular endothelial growth factors, transforming growth factors, fibroblast growth factors, and epidermal growth factors.
- 24. A wound dressing for removing a protease from the site of the wound and supplying a growth factor to said wound site, said dressing comprising:
 - (a) a protein-containing fibrous component; and
 - (b) at least one growth factor

wherein a protease found at said wound site may be attracted to and entrapped by said protein-containing fibrous component.

- 25. The wound dressing of claim 24 wherein said proteincontaining fibrous component comprises silk fiber.
- 26. The wound dressing of claim 24 wherein said proteincontaining fibrous component comprises wool fiber.
- 27. The wound dressing of claim 24 wherein said proteincontaining fibrous component comprises a protein-containing fabric.
- 28. The wound dressing of claim 27 wherein said proteincontaining fibrous component comprises silk gauze.
- 29. The wound dressing of claim 24 wherein said dressing further comprises a non-protein-containing material in addition to the protein-containing fibrous component.
- 30. The wound dressing of claim 29 wherein said non-protein-containing material comprises cotton fibers.

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- 31. The wound dressing of claim 30 wherein said cotton fibers are interwoven with said protein-containing fibrous component.
- 32. The wound dressing of claim 24 wherein said growth factor is chosen from the group consisting of platelet-derived growth factors, vascular endothelial growth factors, transforming growth factors, fibroblast growth factors, and epidermal growth factors.